

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A total temperature measurement probe for an aircraft, comprising :—

a base $[(1)]$, an external face $[(2)]$ of which is intended to be mounted so as to be substantially coplanar with a skin of the aircraft, and a mast $[(3)]$ that projects from the base $[(1)]$ and supports an active part $[(4)]$ of the probe, ~~characterized in that~~ wherein it furthermore includes several temperature sensors placed on the external face of the base $[(1)]$ and distributed around the mast $[(3)]$.

2. (currently amended): The probe as claimed in claim 1, ~~characterized in that~~ wherein the temperature sensors ~~(6 to 9)~~ are thermally insulated from the external face $[(2)]$ of the base $[(1)]$.

3. (currently amended): The probe as claimed in ~~either of the preceding~~ claim $[[s]]$ 1, ~~characterized in that~~ wherein it includes at least three temperature sensors ~~(6 to 9)~~.

4. (currently amended): A method of determining temperature by means of a total temperature probe as claimed in claim 1, ~~characterized in that~~ wherein the total temperature of the air surrounding the probe is determined on the basis of the temperature measurement carried out in the active part $[(4)]$ of the probe and on the basis of the maximum difference that exists between the measurements made by the temperature sensors ~~(6 to 9)~~.

5. (currently amended): The method as claimed in claim 4, ~~characterized in that~~ wherein the total temperature of the air surrounding the probe is determined as a function of the speed of the air surrounding the probe.

6. (new): The probe as claimed in claim 2, wherein it includes at least three temperature sensors.